

第6章 学会等の研究活動

1. 国際会議における発表状況

< 合計 294件 >

金属物性論研究部門

前川 禎通

教授

口頭(招待・特別)	Tohoku-Cambridge Forum Spin Dependent Transport in Magnetic Nanostructure UK Cambridge 2004 6 10 - 2004 6 11
口頭(招待・特別)	2nd Asia-Pasific Physics Workshop Novel Phenomena Caused by Spin-Charge Separation Hong Kong Hong Kong 2004 6 21 - 2004 6 24
口頭(招待・特別)	Supectroscopies in Novel Superconductor Sitges 2004 Electronic State and Superconductivity in Frustrated Lattices Spain Sitges 2004 7 10 - 2004 7 16
口頭(招待・特別)	The 20 th General Conference of the Condensed Matter Division of the European Physical Society New oxides-superconductors: Similarity and dissimilarity to HTSCs Czechoslovakia Prague 2004 7 17 - 2004 7 23
口頭(招待・特別)	Inelastic X-ray Scattering 2004 Theory of RIXS in Strongly Correlated Electron Systems USA Argonne 2004 9 19 - 2004 9 24
口頭(招待・特別)	The 4th International Conference Stripe 04 Nanoscale Heterogenety and Quantum Phenomena In Complex Matter Kagome vs. Triangular Lattice in Cobaltates Italy Roma 2004 9 26 - 2004 9 29
口頭(招待・特別)	Australia-Japan Workshop on Advanced Materials Concepts in Spin Electronics Australia Sydney 2004 12 5 - 2004 12 7
口頭(招待・特別)	The 5th Korea-Japan-Taiwan Symposium on Strongly Correlated Electron Systems Theory of RIXS in Strongly Correlated Electron Systems Korea Busan 2004 12 10 - 2004 12 11

遠山 貴己

助教授

口頭(招待・特別)	Fifth International Conference on New Theories, Discoveries and Applications of Superconductor and Related Materials (New3SC-5) Numerical study of the electronic states in hole- and electron-doped high-Tc cuprates China Chongqing 2004 6 11 - 2004 6 16
ポスター(一般)	7th International Conference on Spectroscopies of Novel Superconductors (SNS2004) Spectral function in hole- and electron-underdoped high-Tc cuprates Spain Sitges 2004 7 11 - 2004 7 16
口頭(招待・特別)	The 4th International Workshop on Novel Quantum Phenomena in Transition Metal Oxides Electronic and charge excitations in the upper Hubbard band Japan Sendai 2004 11 22 - 2004 11 24
口頭(招待・特別)	Workshop on “ Electron-Phonon Interaction in High-Tc Superconductors” Numerical Study on High-Tc Superconductors Japan Tsukuba 2005 1 5 - 2005 1 7

高橋 三郎

助手

ポスター(一般)	Spectroscopies in Novel Superconductors Quantum interference due to crossed Andreev reflection in a d-wave superconductor with two nano-contacts Spain Sitges 2004 7 11 - 2004 7 16
口頭(招待・特別)	2nd Euro-Asian Symposium “Trends in Magnetism” Spin Injection, Accumulation, and Transport in Hybrid Nanostructures Russia Krasnoyarsk 2004 8 24 - 2004 8 27
口頭(招待・特別)	Tohoku University/UMR CNRS-Thales Workshop “Trends in Spintronics” Spin injection and transport in hybrid structures France Orsay 2005 3 22 - 2005 3 22

小山 富男

助手

口頭(招待・特別)	The 2nd CREST-NANOFAB workshop NFS2004 Phenomenological Quantum Phase Dynamics of Compact Japan Osaka 2004 12 1 - 2004 12 2
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小椎八重 航

助手

口頭(招待・特別)	Fifth International Conference on New Theories, Discoveries, and Application of Superconductors and Related Materials (New3SC-5) Electronic state of CoO ₂ layer China Hilton-Chongqing 2004 6 11 - 2004 6 16
ポスター(一般)	2nd Asia-Pacific Physics Workshop Frontier in Condensed Matter Physics Hall Effect in the CoO ₂ Layer with Hexagonal Structure Hong Kong Hong Kong 2004 6 21 - 2004 6 24
口頭(招待・特別)	The 4th International Workshop on Novel Quantum Phenomena in Transition Metal Oxides and The 3rd Asia-Pacific Workshop on "Strongly Correlated Electron Systems" Hall effect in CoO ₂ layer with hexagonal structure Japan Sendai 2004 11 22 - 2004 11 24

結晶物理学研究部門

中嶋 一雄

教授

口頭(招待・特別)	1st AIST-RCPV International Workshop Melt growth of SiGe multicrystals with microscopic compositional distribution for new solar cell applications Japan Tsukuba 2004 5 12 - 2004
口頭(招待・特別)	2004 Asian Symposium on Crystal Growth and Crystal Technology Melt growth of SiGe multicrystals with microscopic compositional distribution for new solar cell applications China Shandong 2004 5 26 - 2004
口頭(招待・特別)	The Tohoku-Cambridge Forum, Cambridge University Melt growth of SiGe bulk crystals with uniform composition and SiGe multicrystals with microscopic compositional distribution for new SiGe solar cell applications UK Cambridge 2004 6 10 - 2004 6 11
ポスター(一般)	19th European Photovoltaic Solar Energy Conference and Exhibition Growth and properties of SiGe multicrystalline solar cells with microscopic compositional distribution France Paris 2004 6 11 - 2004 6 17
口頭(一般)	The Fourteenth International Conference on Crystal Growth (ICCGE-14) Growth and properties of SiGe multicrystals with microscopic compositional distribution and their applications for high efficiency solar cells France Grenoble 2004 8 9 - 2004 8 13

口頭(一般)	The first International SiGe: Materials, Processing, and Devices Symposium in the Fall 2004 Electrochemical Society Conference Improvement of device performance of multicrystalline Si-based solar cells using multicrystalline SiGe with microscopic compositional distribution USA Honolulu 2004 10 3 - 2004 10 8
口頭(招待・特別)	The Second Japan-Australia Workshop on Advanced Materials Growth and properties of SiGe multicrystals with microscopic compositional distribution and their applications for high efficiency solar cells Australia Sydney 2004 12 4 - 2004 12 8
宇佐美 徳隆	助教授
口頭(一般)	19th European Photovoltaic Solar Energy Conference and Exhibition, Systematic variation of Si spacer width in solar cells with stacked Ge islands and its effect on photovoltaic performance France Paris 2004 6 7 - 2004 6 11
口頭(一般)	14th International Conference on Crystal Growth and 12th International Conference on vapor growth and epitaxy Growth of SiGe-on-insulator and its application as a substrate for epitaxy of strained Si layer France Grenoble 2004 8 9 - 2004 8 13
口頭(招待・特別)	1st IEEE International Conference on Group IV Photonics New Solar Cells Using Ge Dots Embedded in Si PIN Structures Hong Kong Hong Kong 2004 9 29 - 2004 10 1
ポスター(一般)	Third international workshop on new group-IV (Si-Ge-C) semiconductors Growth of SiGe bulk crystal with uniform composition Japan Sendai 2004 10 12 - 2004 10 13
佐崎 元	講師
ポスター(一般)	10th International Conference on Crystallization of Biological Macromolecules In situ observation of elementary growth steps on protein crystals and individual protein molecules diffusing in the vicinity of crystal surfaces China Beijing 2004 6 5 - 2004 6 8
口頭(一般)	14th International Conference on Crystal Growth and 12th International Conference on Vapor Growth and Epitaxy Development of novel in situ techniques for the observations of elementary growth steps on protein crystals and individual protein molecules diffusing in the vicinity of crystal surfaces France Grenoble 2004 8 9 - 2004 8 13

藤原 航三

助手

ポスター

14th International Conference on Crystal Growth and 12th International
Conference on vapor growth and epitaxy
Direct observation of melt growth behavior of polycrystalline silicon for solar
cells

France

Grenoble

2004 8 9 - 2004 8 13

松井 拓郎

中核的研究機関研究員

ポスター

10th International Conference on Crystallization of Biological Macromolecules
Impurity effects of fluorescent labeled lysozyme on the crystallization of
tetragonal and monoclinic crystals

China

Beijing

2004 6 5 - 2004 6 8

ALGUNO Arnold

大学院学生

口頭(一般)

2004 Joint International Meeting The Electrochemical Society , The
Electrochemical Society of Japan and The Japn Society of Applied Phisics
Improved photovoltaic cell performance based on Ge islands embedded into
the intrinsic layer

USA

Hawaii

2004 10 3 - 2004 10 8

岡田 雅史

大学院学生

ポスター

10th International Conference on Crystallization of Biological Macromolecules
In Situ observation of diffusing process of individual protein molecules in the
vicinity of crystal surface

China

Beijing

2004 6 5 - 2004 6 8

我妻 幸長

大学院学生

ポスター

14th International Conference on Crystal Growth and 12th International
Conference on vapor growth and epitaxy
Restraining polycrystallization of multicomponent semiconductors using seed
crystals of random orientations

France

Grenoble

2004 8 9 - 2004 8 13

沓掛 健太朗

大学院学生

口頭(一般)

2004 Joint International Meeting The Electrochemical Society , The
Electrochemical Society of Japan and The Japn Society of Applied Phisics
A Comparative study of strain field in strain ed Si on SiGe virtual substrates
USA Hawaii 2004 10 3 - 2004 10 8

磁気物理学研究部門

野尻 浩之

教授

口頭(一般)

The Xth MEGAGAUSS-Conference
Deveropment of Miniature Coils and a Small Capacitor Bank for Synchrotron
Radiation Experiments in High Magnetic Field
Germany Berlin 2004 7 18 - 2004 7 23

口頭(基調講演)

Conference Digest of the 2004 Joint 29th International conference on infrared
and Millimeter Waves and 12th International Conference on Terahertz
Electronics
FIR-Magnetspectroscopy on Molecular Magnets
Germany Karlsruhe 2004 9 27 - 2004 10 12

口頭(一般)

The IXth International Conference on Molecule-based Magnets
Half Step Magnetization for Spin Chirality in Frustrated Spin Rings
Japan Tsukuba 2004 10 4 - 2004 10 8

口頭(一般)

International Symposium on Quantum Spin Systems (QSS04)
Effect of spin chirality on magnetization in triangle based compounds
Japan Hayama 2004 11 30 - 2004 12 3

口頭(招待・特別)

International Symposium on Nano-astructures and Physicochemical
Properties of Polyoxometalate Superclusters and Related Colloid Particles
Manipulation of Spin State in Nano-clusters by Pulsed Magnetic Fields
Japan Kanagawa 2004 12 21 - 2004 12 25

茂木 巖

助手

口頭(一般)

2004 Joint Int. Meeting of Electrochemical Society
Thermal Convection in Water under Strong Gradient Magnetic Fields
USA Honolulu 2004 10 3 - 2004 10 7

大島 勇吾

助手

口頭(一般)

International Conference on Science and Technology of Synthetic Metals (ICSM2004)

EMR measurements of field-induced superconductor $\lambda\text{-}(\text{BETS})_2\text{Fe}_x\text{Ga}_{1-x}\text{Cl}_4$

Australia

Wollongong

2004 6 1 -

CHOI Kwang Yong

助手

口頭(招待・特別)

International Workshop on Collective quantum states in low-dimensional transition metal oxide

Magnetic excitations in helical ordered quantum spin systems

Germany

Dresden

2005 2 22 - 2005 2 26

量子表面界面科学研究部門

桜井 利夫

教授

口頭(招待・特別)

Beijing -TEDA 2004 Scanning Probe Microscopy, Sensors and Nanostructures Dynamics and Nano-clustering of Alkali Metals Adsorbed on the Si(111)-(7x7) Surface

China

Beijing-TEDA

2004 5 23 - 2004 5 27

口頭(招待・特別)

Swiss-Japanese Nanoscience Workshop

Role of strained surface structure in the growth of Ge quantum dot

Japan

Nara

2004 6 23 - 2004 6 25

口頭(招待・特別)

The Sixth Taipei Symposium on Surfaces, Thin Films, and Nano Sciences Alkali Metal Adsorption on the Si(111)-(7x7) Surface

Taiwan

Taipei

2004 8 17 - 2004 8 19

口頭(招待・特別)

Functionality of Organized Nanostructures (FON'04)

Alkali metals adsorption on the Si (111)-7x7 surface: From 2D gas to magic clusters

Japan

Tsukuba

2004 11 30 - 2004 12 2

藤川 安仁

助教授

口頭(招待・特別)

Second Japan-Australia Workshop on Advanced Materials

Role of strained surface structure in the growth of Ge quantum dots

Australia

Sydney

2004 12 6 - 2004 12 7

低温物理学研究部門

小林 典男

教授

口頭(一般)

Tohoku University – Cambridge University Forum

VORTEX PHYSICS IN HIGH- T_c SUPERCONDUCTOR $YBa_2Cu_3O_y$

UK

Cambridge

2004 6 10 – 2004 6 11

佐々木 孝彦

助教授

口頭(一般)

International Conference on the Science and Technology of Synthetic Metals 2004

Phase separation proved by the local infrared reflectance spectra near the Mott transition in the κ -type BEDT-TTF dimer system

Australia

Wollongong

2004 6 28 – 2004 7 2

工藤 一貴

助手

ポスター(一般)

The 4th International Workshop on Novel Quantum Phenomena in Transition Metal Oxides and The 3rd Asia-Pacific Workshop on Strongly Correlated Electron Systems

Pseudogap formation and superconductivity of $Bi_{1.74}Pb_{0.38}Sr_{1.88}CuO_{6+\delta}$ by studies of out-of-plane resistivity in magnetic fields

Japan

Sendai

2004 11 22 – 2004 11 24

口頭(一般)

17th International Symposium on Superconductivity (ISS2004)

Hole-doping and magnetic-field effect on the pseudogap in $Bi_{1.74}Pb_{0.38}Sr_{1.88}CuO_{6+\delta}$ studied by the out-of-plane resistivity

Japan

Niigata

2004 11 23 – 2004 11 25

西畠 照和

助手

口頭(一般)

17th International Symposium on Superconductivity (ISS2004)

Vortex Phase Diagram in Impurity doped $YBa_2Cu_3O_y$ Single Crystals

Japan

Niigata

2004 11 23 – 2004 11 25

口頭(招待・特別)

Joint meeting of The International Symposium on JSPS Core-to-Core Integrated Action Initiative "Nanoscience and Engineering in Superconductivity" (CTC-NES) and The 4th International Symposium on Intrinsic Josephson Effect and Plasma Oscillations in High- T_c Superconductors (PLASMA 2004)

Vortex order-disorder transition and the effect of Zn and Ni substitution in $YBa_2Cu_3O_y$

Japan

Tsukuba

2004 11 26 – 2004 11 28

口頭(招待・特別)

Tenth International Vortex Workshop (IVW10)

Vortex Phase Diagram in Ni and Zn Doped Untwinned $YBa_2Cu_3O_y$

India

Mumbai

2005 1 9 – 2005 1 14

米山 直樹

助手

ポスター(一般)	The International Conference on the Science and Technology of Synthetic Metals 2004 (ICSM2004) Vortex-pinning effect in the mixed crystal of κ -(BEDT-TTF) ₂ Cu[N(CN) ₂]Br consisting of the fully-hydrogenated and deuterated donors	
Australia	Wollongong	2004 6 28 - 2005 7 2

ポスター(一般)	International Symposium on Frontier in Materials Design, Synthesis and Measurements Electronic phase diagram and metal-insulator phase separations in the band width controlled organic system κ -(BEDT-TTF) ₂ Cu[N(CN) ₂]Br	
Japan	Awaji	2005 3 11 - 2005 3 15

阿部 淳一

大学院学生

ポスター(一般)	Joint Workshop on Superconductivity:Progress in nanoscopic superconductors and vortex physics Resistive transition curve in magnetic fields in organic superconductor s-Influence of thermal and quantum fluctuations	
Japan	Osaka	2004 12 1 - 2004 12 2

藤田 浩己

大学院学生

ポスター(一般)	Joint Workshop on Superconductivity:Progress in nanoscopic superconductors and vortex physics Vortex state of untwinned YBa ₂ Cu ₃ O _y single crystals in the underdoped regime	
Japan	Osaka	2004 12 1 - 2004 12 2

低温電子物性学研究部門

岩佐 義宏

教授

口頭(招待・特別)	205th Electrochemical Society Meeting Control of transistor properties of fullerene thin films using self-assembled monolayers	
USA	San Antonio	2004 5 10 - 2004 5 15

口頭(招待・特別)	Japan-Korea Symposium on Carbon Nanotubes Transport and Optical Properties of Doped Carbon Nanotubes	
Korea	Jeju Island	2004 10 13 - 2004 10 15

口頭(招待・特別)	Japan-Singapore Symposium on Nanoscience and Nanotechnology Tuning Charge Carrier Properties in Carbon Nanostructures by interaction with organic molecules	
Singapore	Singapore	2004 11 1 - 2004 11 3

口頭(招待・特別)	International Workshop on Multifunctional Molecular Materials A new aspect of carrier doping in molecule based materials Japan Kyoto 2005 1 20 - 2005 1 21
ポスター(一般)	2005 Materials Research Society Spring Meeting Control of thin film transistor operations with polar self-assembled monolayers USA San Francisco 2005 3 28 - 2005 4 1
田口 康二郎	助教授
口頭(招待・特別)	Gordon Research Conference on Magnetic Nanostructures Spin chirality as a source of anomalous Hall effect USA Montana 2004 8 22 - 2005 8 27
ポスター(一般)	17th International Symposium on Superconductivity Anomalous large electron-phonon coupling constant in layered nitride superconductors as revealed by high pressure measurements Japan Niigata 2004 11 23 - 2004 11 25
小林 慎一郎	助手
口頭(一般)	The 2004 Electronic Materials Conference Control of Transport by Self-Assembled-Monolayers in Organic Thin-Film Transistors USA Sounth Bend 2004 6 23 - 2004 6 25
口頭(一般)	The International Conference on Synthetic Metals(ICSM) 2004 Turning carrier density in organic thin film transistors with self-assembled monolayers Australia Wollongong 2004 6 26 - 2004 7 3
竹延 大志	助手
ポスター(一般)	The International Conference on Synthetic Metals(ICSM) 2004 Structure and transport properties of doping controlled carbon nanotube by encapsulation of organic molecules Australia Wollongong 2004 6 26 - 2004 7 3
ポスター(一般)	XIXth International Winterschool Euroconference on Electronic Properties of Novel Materials Carbon nanotubes under electric field: Stark effect and carrier accumulation Austria Kirchberg 2005 3 12 - 2005 3 19

下谷 秀和

研究員

ポスター(一般)	Third International Conference on Molecular Electronics and Bioelectronics Comparison of Field-Effect and Electrochemical Transistor of Poly(3-Hexylthiophene) and SWNT: Effect of Dopant
	Japan Tokyo 2005 3 3 - 2005 3 4

菅原 孝宜

大学院学生

ポスター(一般)	Nano Phys 2005 The TLL-Like behavior observed in multiwalled carbon nanotube
	Japan Tokyo 2005 1 26 - 2005 1 28

ポスター(一般)	XIXth International Winterschool Euroconference on Electronic Properties of Novel Materials Gate-induced crossover from unconventional metals to fermi liquid in multiwalled carbon nanotubes
	Austria Kirchberg 2005 3 12 - 2005 3 19

日下部 道規

大学院学生

ポスター(一般)	17th International Symposium on Superconductivity Anomalously large electron-phonon coupling constant in layered nitride superconductors as revealed by high pressure measurements
	Japan Niigata 2004 11 23 - 2004 11 25

放射線金属物理学研究部門

山田 和芳

教授

口頭(招待・特別)	The Second American Conference on Neutron Scattering Field-induced Magnetic Correlation in High Tc Cuprates
	USA College Park 2004 6 6 - 2004 6 10

口頭(招待・特別)	2nd Asia-Pacific Workshop Frontier in Condensed Matter Physics High Energy Spin Excitations in High Tc Studied by Neutron Scattering
	China Hong Kong 2004 6 20 - 2004 6 24

口頭(招待・特別)	Japan-French Meeting on Quantum Complex Systems", 2004 July 21-24, Grenoble Issues of Spin Excitations in high Tc Cuprates
	France Grenoble 2004 7 21 - 2004 7 24

口頭(招待・特別)	The 7th International Conference on Spectroscopies in Novel Superconductors Spin and Charge Fluctuations in High-Tc Cuprates Studied by Neutron and X-ray Inelastic Scattering Spain Sitges 2004 7 22 - 2004 7 26
口頭(招待・特別)	The 4th International workshop on Novel Quantum Phenomena in Transition Metal Oxides and The 3rd Asia-Pacific Workshop on Novel Quantum Phenomena in Transition Metal Oxides New Aspects of High-Tc Cuprates Found by Neutron Scattering during the Maekawa Project Japan Sendai 2004 11 22 - 2004 11 24
口頭(招待・特別)	International Symposium on Frontier in Materials Design, Synthesis and Measurements Neutron Scattering, a Unique Probe for Static and Dynamical Spin NanoStructures in Strongly Correlated Electron Systems Japan Awaji 2005 3 11 - 2005 3 15
大山 研司 助教授	
ポスター(一般)	The International Conference on Strongly Correlated Electron Systems (SCES2004) Characteristic profile of magnetic diffuse scattering in ErB_2Co_2 Germany Karlsruhe 2004 7 26 - 2004 7 30
ポスター(一般)	International Symposium on Frontier in Materials Design, Synthesis and Measurements Crystal Structure Refinement of Li, Mg-Based Complex Hydrides by Neutron Diffraction Japan Awaji 2005 3 11 - 2005 3 15
藤田 全基 助手	
口頭(一般)	17th international Symposium on Superconductivity Neutron Scattering Study on Stripe Correlations in $\text{La}_{2-x}\text{Ba}_x\text{CuO}_4$ Japan Niigata 2004 11 23 - 2004 11 25
ポスター(一般)	International Symposium on Frontier in Materials Design, Synthesis and Measurements Spin Correlations in Electron-Doped High-Tc Superconductor Japan Awaji 2005 3 11 - 2005 3 15

平賀 晴弘

助手

ポスター(一般)	International Workshop on Novel Quantum Phenomena in Transition Metal Oxides Characterization of low-energy magnetic excitations in Cr	Japan	Sendai	2004 11 22 - 2004 11 24
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ポスター(一般)	International Workshop on Novel Quantum Phenomena in Transition Metal Oxides Ni impurity effects on magnetism and superconductivity in the hole-doped $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$	Japan	Sendai	2004 11 22 - 2004 11 24
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ポスター(一般)	International Symposium on Frontier in Materials Design, Synthesis and Measurements Ni impurity effect on antiferromagnetic order in lightly hole-doped $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$	Japan	Awaji	2005 3 11 - 2005 3 15
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日野 綾

大学院学生

ポスター	17th international Symposium on Superconductivity A Study of Impurity Effect on Spinn Correlations in Electron-Doped $\text{Pr}_{1-x}\text{LaCe}_x\text{Cu}_{1-y}\text{Zn}_y\text{O}_4$	Japan	Niigata	2004 11 23 - 2004 11 25
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結晶欠陥物性学研究部門

米永 一郎

助教授

口頭(招待・特別)	The 14th International Conference on Crystal Growth Growth and Fundamental Properties of SiGe Bulk Crystals	France	Grenoble	2004 8 9 - 2004 8 13
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ポスター(一般)	14th International Conference on Crystal Growth Dislocation-impurity Interaction in Czochralski-grown Si heavily doped with B and Ge	France	Grenoble	2004 8 9 - 2004 8 13
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ポスター(一般)	14th International Conference on Crystal Growth Behavior of the edge dislocation propagating along the growth direction in Czochralski Si crystal growth	France	Grenoble	2004 8 9 - 2004 8 13
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ポスター(一般)	11th International Symposium on Metastable, Mechanically Alloyed and Nanocrystalline Materials Atomic structure of SixGe _{1-x} solid solution crystals Japan Sendai 2004 8 22 - 2004 8 26
口頭(招待・特別)	The 10th International Conference on Extended Defects in Semiconductors Dislocation-Impurity Interaction in Si Russia Moscow 2004 9 11 - 2004 9 17
ポスター(一般)	10th International Conference on Extended Defects in Semiconductors Photoluminescence study of plastically deformed GaN Russia Moscow 2004 9 11 - 2004 9 17
口頭(一般)	5th International Conference on Materials for Microelectronics and Nanoengineering Atomic structure and relaxation in Czochralski-grown SixGe _{1-x} bulk alloys UK Southampton 2004 9 13 - 2004 9 14
ポスター(一般)	5th International Conference on Materials for Microelectronics and Nanoengineering Dislocation of high quality large ZnTe substrate examined by X-ray topography UK Southampton 2004 9 13 - 2004 9 14
口頭(一般)	Materials Research Society 2004 Fall Meeting Photoluminescence study of plastically deformed GaN USA Boston 2004 11 28 - 2004 12 3
ポスター(一般)	International Symposium on Characterization of Real Materials and Real Processing by Transmission Electron Microscopy Dynamics and Characters of dislocations in ZnSe Japan Nagoya 2005 1 26 - 2005 1 27
ポスター(一般)	International Symposium on Characterization of Real Materials and Real Processing by Transmission Electron Microscopy Atomic structure of dislocations and stacking faults in deformed GaAs Japan Nagoya 2005 1 26 - 2005 1 27

吉見享祐

助教授

口頭(一般)	The fifth Pacific Rim International Conference on Advanced Materials and Processing		
	Substructure Development in Rapidly Solidified B2-Type TiCo Ribbons		
	China	Beijing	2004 11 2 - 2004 11 5
口頭(一般)	The fifth Pacific Rim International Conference on Advanced Materials and Processing		
	Surface Morphology Characterization for Nanoself-patterned FeAl Single Crystal		
	China	Beijing	2004 11 2 - 2004 11 5
口頭(一般)	2004 MRS Fall Meeting		
	Effect of Heat Treatments on Microstructure of Rapidly Solidified TiCo Ribbons		
	USA	Boston	2004 11 29 - 2004 12 3

仲村龍介

中核研究機関研究員

ポスター(一般)	2004 MRS Fall Meeting		
	Thermal Analysis of Relaxation Process of Supersaturated Vacancies in B2-Type Aluminides		
	USA	Boston	2004 11 29 - 2004 12 3

計算材料学研究部門

川添 良幸

教授

口頭(招待・特別)	Tsinghua University - Nikkei BP Nanotech Forum		
	What is Genuine Nanotechnology?		
	China	Beijing	2004 4 15 - 2004 4 16
口頭(招待・特別)	Second Conference of the Asian Consortium for Computational Materials Science (ACCMS-2)		
	Ultimate ab initio Calculations to Predict New Materials for Nanotechnology		
	Russia	Novosibirsk	2004 7 14 - 2004 7 16
口頭(招待・特別)	The 3rd Advanced Science Institute the Japan Society for the Promotion of Science		
	Ultimate ab initio Calculations to Predict New Materials Expected to be Used in Nanotechnology		
	Japan	Sendai	2004 7 26 - 2004 7 31
口頭(招待・特別)	The 2nd International Symposium on Nanomanufacturing (ISNM2004)		
	Ultimate ab initio Study to predict New Nanoscale Materials		
	Korea	Daejeon	2004 11 3 - 2004 11 5

高橋 まさえ

助手

口頭(一般)	16th International Conference on Phosphorus Chemistry		
	Ab Initio MO Study of Charged P6 and Their Silicon Analogues: Stability and Aromaticity		
	UK	Birmingham	2004 7 4 - 2004 7 9
口頭(一般)	Second Conference of the Asian Consortium for Computational Materials Science		
	Design for UV-cut Materials Made of Novel Silicon Oligomers		
	Russia	Novosibirsk	2004 7 14 - 2004 7 16
ポスター(一般)	International Conference on Organic Photonics and Electronics 2005 & 8th International Conference on Organic Nonlinear Optics		
	UV-Absorption Spectral Property of Novel Silicon Oligomers: An Ab Initio Study		
	Japan	Matsushima	2005 3 7 - 2005 3 11

佐原 亮二

助手

ポスター(一般)	The European Materials Research Society'04		
	Thermodynamic properties of transition metals using FCC and HCP lattice models with renormalized potentials		
	France	Strasbourg	2004 5 23 - 2005 5 30
口頭(一般)	Second Conference of the Asian Consortium for Computational Materials Science		
	First principles calculation of hardness analysis in perovskite-type rare earth rhodium borides and carbides		
	Russia	Novosibirsk	2004 7 14 - 2004 7 16

材料照射工学研究部門

長谷川 雅幸

教授

口頭(一般)	22nd Symposium on Effect of Radiation on Materials(ASTM)		
	Positron Annihilation Study of Vacancy-Cu Aggregations in A533B Reactor Pressure		
	USA	Boston	2004 6 8 - 2004 6 10
口頭(招待・特別)	The International School of Solid State Physics and NATO Advanced Study Institute		
	"Positron annihilation methods in the studies of irradiation-induced defects in metals and semiconductors: Identification of the defects by positron annihilation", "Radiation Effects in Solids"		
	Italy	Elice	2004 7 17 - 2004 7 29

口頭(招待・特別)	The International School of Solid State Physics and NATO Advanced Study Institute “Formation and evolution of nanovoids and nano-precipitates in irradiated Fe-Cu model alloys and RPV steels”, “Radiation Effects in Solids” Italy Elice 2004 7 17 - 2004 7 29
永井 康介	助教授
口頭(一般)	(ICAA-9) The 9th International Conference on Aluminium Alloys Coincidence Doppler Broadening and 3DAP Study of the Pre-Precipitation Stage of Al(-Li)-Cu-Mg(-Ag) Alloys Australia Brisbane 2004 8 2 - 2004 8 5
口頭(招待・特別)	The 35th Polish Seminar on Positron Annihilation Coincidence Doppler Broadening Spectroscopy in Embedded Nano-Materials (IL) Poland Turawa 2004 9 20 - 2004 9 24
口頭(招待・特別)	Second International Conference on Multiscale Materials Modeling Analysis of Embedded Nano-clusters by Positron Annihilation Spectroscopy USA LA 2004 10 11 - 2004 10 15
唐 政	助手
口頭(一般)	Eighth Japan-China Symposium on Materials for Advanced Energy Systems and Fission & Fusion Engineering First-Principles Studies of Atomic and Electronic Structures of Cu Precipitate in Dilute Fe-Cu Alloys Japan Sendai 2004 10 4 - 2004 10 8
口頭(一般)	International Symposium on Positron Beam and its Application Using Positron to Map Electron Distribution in Momentum Space China Wuhan 2004 10 28 - 2004 10 30
口頭(招待・特別)	The 4th International Workshop on Positron Studies of Semiconductor Defects (PSSD-2004) Self-Energy Correction to Momentum Density Distribution of Positron-Electron Pairs in Si USA Coeur d'Alene, Idaho 2004 11 7 - 2004 11 12
口頭(一般)	The 4th International Workshop on Positron Studies of Semiconductor Defects Theoretical studies of positronium localization and annihilation in siliaca USA Coeur d'Alene, Idaho 2004 11 7 - 2004 11 12

井上 耕治

助手

口頭(一般)	The 4th International Workshop on Positron Studies of Semiconductor Defects (PSSD-2004)		
	Vacancy Clusters and Vacancy-Impurity Complexes in Electron-Irradiated Si Positron Annihilation, Electron Spin Resonance and Hall Coefficient Measurement		
	USA	Coeur d'Alene, Idaho	2004 11 7 - 2004 11 12
口頭(一般)	The 4th International Workshop on Positron Studies of Semiconductor Defects (PSSD-2004)		
	Positronium studies of structural open volumes in two-component silica-based glasses		
	USA	Coeur d'Alene, Idaho	2004 11 7 - 2004 11 12

外山 健

大学院学生

ポスター(一般)	Second International Conference on Multiscale Materials Modeling		
	Nano Cu precipitate in pressure vessel steel of nuclear power reactor studied by positron annihilation and 3D atom probe		
	USA	Los Angeles	2004 10 11 - 2004 10 15

原子力材料物性学研究部門

四竈 樹男

教授

口頭(一般)	2nd European Workshop on Optical Fiber Sensors		
	Optical fast neutron and gamma-ray detection system utilizing radioluminescence		
	Spain	Santander	2004 6 9 - 2004 6 11
口頭(招待・特別)	International Conference on Cybernetics and Information Technologies, Systems and Applications		
	Optical Radiation Detection Systems Utilizing Radioluminescence Materials and Optical Fibers		
	USA	Orlando	2004 7 21 - 2004 7 25
ポスター(一般)	20th IAEA Fusion Conference		
	Development of Optical Diagnostic System for Burning Plasma Machine		
	Poltogar	Vilamoura	2004 11 1 - 2004 11 6
口頭(基調講演)	ISTC-Japan		
	Japanese Irradiation Technologies		
	Japan	Oarai	2004 11 17 - 2004 11 17

永田 晋二

助教授

ポスター(一般)	14th International Conference on Ion-Beam Modification of Materials Hydrogen uptake in noble gas implanted W
	USA Monterey 2004 9 5 - 2004 9 11

土屋 文

助手

ポスター(一般)	6th Int. Conf. on Excitonic Processes and Condensed Matter Electron Induced Luminescence of SrCe _{0.95} Yb _{0.05} O _{3-d}
	Poland Kracow 2004 7 6 - 2004 7 9

ポスター(一般)	15th Int. Conf. on Defects in Insulating Materials Optical Absorption of Yb-doped SrCeO ₃ by Electron Irradiation
	Latvia Liga 2004 7 11 - 2004 7 16

ポスター(一般)	14th Int. Conf. on Ion Beam Modification of Materials Effects of Ion Beam Modification on Absorption and Transport of Hydrogen in Perovskite-Type Oxide Ceramics
	USA Monterey 2004 9 6 - 2004 9 10

ポスター(一般)	16th Int. Conf. on Technology of Fusion Energy Radiation Damage of Proton Conductive Ceramics Under 14 MeV Fast Neutron Irradiation
	USA Madison 2004 9 14 - 2004 9 16

藤 健太郎

助手

ポスター(一般)	Second European Workshop on Optical Fiber Sensor Heat-treatment effect of fused silica optical fiber for improvement of radiation-resistance
	Spain Santander 2004 6 9 - 2004 6 11

Symp. or Workshop or Panel (指名)	UCSB/IMR Joint Workshop Development of optical materials for nuclear applications
	Japan Sendai 2004 9 7 -

原子力材料工学研究部門

松井 秀樹

教授

口頭(招待・特別)	23rd Symposium on Fusion Technology		
	Present Status and Prospects for the IFMIF Project		
	Italy	Venice	2004 9 20 - 2004 9 24
口頭(一般)	2nd International Conference on Multiscale Materials Modeling		
	In situ Observation of Dislocation Interaction with Small Obstacles Virtually Invisible to Conventional TEM		
	USA	Los Angeles	2004 10 11 - 2004 10 15

電子材料物性学研究部門

八百 隆文

教授

口頭(招待・特別)	International Workshop on ZnO		
	Heteroepitaxy of ZnO on various substrates		
	USA	Maui	2004 5 16 - 2004 05 20
口頭(招待・特別)	2004 Spring Meeting of European Materials Research Society		
	High-energy XPS studies of III-V nitrides		
	France	Strasbourg	2004 5 23 - 2004 05 29
口頭(基調講演)	The 5th International Conference on Thin Film Physics and Applications		
	Nitrides and Oxides as new classes of semiconductors		
	China	Shanghang	2004 5 30 - 2004 06 3
口頭(招待・特別)	Tohoku University-Cambridge University Forum		
	Oxides and Nitrides as New Classes of Semiconductors		
	UK	Cambridge	2004 6 9 - 2004 06 13
口頭(招待・特別)	2004 International Symposium on Crystal Growth and Devices		
	Control of Crystal polarity of ZnO and GaN by Interface Engineering		
	Korea	Seoul	2004 11 11 - 2004 11 13
口頭(招待・特別)	2004 Fall Meeting of Materials Research Society		
	Polarity Control of ZnO epilayers and their applications		
	USA	Boston	2004 11 29 - 2004 12 03
口頭(一般)	2004 International Symposium on Low-Dimensional Semiconductors and Devices		
	Formation and evolution of strain-induced self-assembled dots		
	Mexco	Cancun	2004 12 12 - 2004 12 17

口頭(招待・特別)	2nd AFOSR International Workshop on InN XPS studies of the band structure of InN USA Kona 2005 1 9 - 2005 1 13
CHO Meoung-Whan	助教授
ポスター(一般)	22nd North American Conference on Molecular Beam Epitaxy CrN buffer layer study for GaN growth using Molecular beam epitaxy Canada Banff 2004 10 10 - 2004 10 14
花田 貴	助手
口頭(一般)	The Fifth International Conference on Low Dimensional Structures and Devices (LDSD2004) Formation and evolution of strain-induced self-assembled dots Mexico Cancun 2004 12 12 - 2004 12 17
牧野 久男	助手
口頭(招待・特別)	International Symposium on Compound Semiconductors High-energy photoemission studies of transition metal ion doped III-V nitrides Korea Seoul 2004 9 12 - 2004 9 16
BUCKMASTER Ryan	大学院学生
ポスター(一般)	International Symposium on Compound Semiconductors Fabrication of Self-Assembled Nanodots at Arbitrary Locations by Spatially Controlled Implant Source Growth Korea Seoul 2004 9 12 - 2004 9 16
ポスター(一般)	The Fifth International Conference on Low Dimensional Structures and Devices GaN nanocrystal fabrication by implant source growth Mexico Cancun 2004 12 12 - 2004 12 17
VASHAEI Zahra	大学院学生
ポスター(一般)	International Symposium on Compound Semiconductors Structure Properties and Phase Evolution of $\text{Mg}_x\text{Zn}_{1-x}\text{O}$ Layers Grown on c-sapphire by P-MBE Korea Seoul 2004 9 12 - 2004 9 16

季 旭鉦 大学院学生

口頭(一般)	International Symposium on Compound Semiconductors CrN buffer layer study for GaN growth using molecular beam epitaxy(MBE)
	Korea Seoul 2004 9 12 - 2004 9 16

金 正鎮 大学院学生

ポスター(一般)	XIV International Conference on Vacuum Ultraviolet Radiation Physics Electronic structure of the $\text{Ga}_{1-x}\text{Cr}_x\text{N}$ studied by high-energy photoemission spectroscopy
	Australia Cairns 2004 7 19 - 2004 7 23

ポスター(一般)	22nd North American Conference on Molecular Beam Epitaxy Structure and magnetic properties of Cr-doped GaN
	Canada Banff 2004 10 10 - 2004 10 14

呉 東哲 大学院学生

ポスター(一般)	The 3rd International Workshop on ZnO and Related Materials Electrical characterization of Au/ZnO:N Schottky contacts and ZnO/GaN heterostructures
	Japan Sendai 2004 10 5 - 2004 10 8

ポスター(一般)	22nd North American Conference on Molecular Beam Epitaxy Electrical characterization of the heterostructure of ZnO/GaN grown by molecular-beam epitaxy
	Canada Banff 2004 10 10 - 2004 10 14

後藤 裕輝 大学院学生

ポスター(一般)	International Symposium on Compound Semiconductors Growth and Characterization of HVPE GaN on Al_2O_3 with CrN buffer
	Korea Seoul 2004 9 12 - 2004 9 16

森 貴洋 大学院学生

ポスター(一般)	22nd North American Conference on Molecular Beam Epitaxy GaNAs(001) surface phases under growing condition
	Canada Banff 2004 10 10 - 2004 10 14

馬場 威 大学院学生

ポスター(一般)	International Symposium on Compound Semiconductors
	Observation of optical Fano resonance by measuring PL spectrum of ZnS : Mn/SiO ₂ 1 D photonic crystal
	Korea Seoul 2004 9 12 - 2004 9 16

峰岸 耕 大学院学生

ポスター(一般)	The 3rd International Workshop on ZnO and Related Materials
	Correlation of the crystal structure of MgO buffer with the crystal polarity of ZnO overgrown layers
	Japan Sendai 2004 10 5 - 2004 10 8

ポスター(一般)	22nd North American Conference on Molecular Beam Epitaxy
	Selective growth of Zn- and O-polar ZnO layers by plasma-assisted molecular beam epitaxy
	Cnada Baff 2004 10 10 - 2004 10 14

鈴木 秀幸 大学院学生

ポスター(一般)	International Symposium on Compound Semiconductors
	The effect of surface treatment on Zinc Oxide
	Korea Seoul 2004 9 12 - 2004 9 16

ランダム構造物質学研究部門

松原 英一郎 教授

口頭(招待・特別)	TMS 2005
	Characteristic Local Structure of Bulk Metallic Glasses
	USA San Francisco 2005 2 13 - 2005 2 17

林 好一 助教授

口頭(一般)	The 8th international Conference on Surface X-ray and Neutron Scattering
	X-ray waveguide phenomenon in organic thin films
	Germany Badhoffnes 2004 6 28 - 2004 7 2

ポスター(一般)	4th International Conference on Synchrotron Radiation in Materials Science
	X-Ray Fluorescence Holography in Dilute System
	France Grenoble 2004 8 23 - 2004 8 25

超構造薄膜化学研究部門

川崎 雅司

教授

口頭(招待・特別)	Zinc Oxide Workshop Recent advances in ZnO epitaxy USA Hawaii 2004 5 17 - 2004 5 20
口頭(招待・特別)	THE 3RD INTERNATIONAL CONFERENCE ON PHYSICS AND APPLICATIONS OF SPIN RELATED PHENOMENA IN SEMICONDUCTORS Ferromagnetic Oxide Semiconductors USA Santa Barbara 2004 7 21 - 2004 7 23
口頭(招待・特別)	Agenda for the First UCSB/IMR Joint Workshop Oxide Electronics:A New Stone Age Japan Sendai 2004 9 7 - 2004 9 7
口頭(招待・特別)	Japan-US Workshop on Combinatorial Material Science and Technology Spatial and temporal modulation of the temperature in thin film growth:a successful approach for realizing p-type ZnO Japan Okinawa 2004 12 8 - 2004 12 10
口頭(招待・特別)	32nd Conference on the Physics and Chemistry of Semiconductor Interfaces(PCSI32) Current status and future challenges of oxide semiconductor technology USA Montana 2005 1 23 - 2005 1 27
口頭(招待・特別)	Japan-USA Workshop on Combinatorial Materials Combinatorial Exploration of Oxide Semiconductors USA Dallas 2005 3 5 - 2005 3 7
口頭(招待・特別)	International conference of the Creative Scientific Research program on “Collaboratory on Electron Correlations –Toward a New Research Network between Physics and Chemistry–” Atomically Engineered Interface of Transition metal Oxides Japan Awaji 2005 3 11 - 2005 3 15

福村 知昭

講師

ポスター(一般)	The Third Japan-U.S.Workshop on Combinatorial Materials Science Multiply transition-metal-doped TiO ₂ epitaxial thin film library Japan Okinawa 2004 12 8 - 2004 12 10
ポスター(一般)	International Symposium on Frontier in Materials Design, Synthesis and Measurements Room temperature ferromagnetic oxide semiconductor: Co-doped TiO ₂ Japan Awaji 2005 3 11 - 2005 3 15

大友 明

助手

口頭(招待・特別)	2004 MRS Spring Meeting		
	Combinatorial integrations of oxide field effect transistors		
	USA	San Francisco	2004 4 12 - 2004 4 16
口頭(招待・特別)	Zinc Oxide Workshop		
	ZnO field effect devices		
	USA	Wailea	2004 5 16 - 2004 5 20
口頭(一般)	The 3rd International Workshop on ZnO and Related Materials		
	A ZnO lateral superlattice: one dimensional grain boundary array in ZnO epitaxial layer		
	Japan	Sendai	2004 10 5 - 2004 10 8
ポスター(一般)	The 3rd Japan-U.S. Workshop on Combinatorial Materials Science		
	Combinatorial studies of field effect transistors based on wide-gap oxide semiconductors		
	Japan	Okinawa	2004 12 8 - 2004 12 10
ポスター(一般)	International Symposium on Frontier in Materials Design, Synthesis and Measurements (Creative Scientific Research on Collaboratory on Electron Correlations - Towards a New Research Network between Physics and Chemistry)		
	Electronic structures in perovskite titanate heterointerfaces		
	Japan	Awaji	2005 3 11 - 2005 3 15
口頭(招待・特別)	APS March Meeting 2005		
	Artificial charge-modulation in atomic-scale perovskite titanate superlattices		
	USA	Los Angeles	2005 3 21 - 2005 3 25

山田 康博

大学院学生

ポスター(一般)	The 3rd International Conference on Physics and Applications of Spin Related Phenomena in Semiconductors		
	Bandgap engineered insulating $\text{Ti}_{1-x}\text{Zr}_x\text{O}_2$ epitaxial thin films		
	USA	Santa Barbara	2004 7 21 - 2004 7 23

西井 潤弥

大学院学生

ポスター(一般)	Japan-US Workshop on Combinatorial Material Science and Technology High-throughput Synthesis and Characterization of $\text{Mg}_{1-x}\text{Ca}_x\text{O}$ Film as a Lattice and Valence-matched Gate Dielectric for ZnO Based Field Effect Transistors
	Japan Okinawa 2004 12 8 - 2004 12 10

口頭(一般)	32nd Conference on the Physics and Chemistry of Semiconductor Interfaces(PCSI32) ZnO field effect transistors
	USA Montana 2005 1 23 - 2005 1 27

大久保 敦

大学院学生

ポスター(一般)	Japan-US Workshop on Combinatorial Material Science and Technology Optical Absorption Spectra of Interface Engineered $\text{SrTiO}_3/\text{LaAlO}_3$ Superlattices
	Japan Okinawa 2004 12 8 - 2004 12 10

塚崎 敦

大学院学生

口頭(招待・特別)	Zinc Oxide Workshop Layer-by-layer growth of nitrogen doped ZnO single crystalline films
	USA Hawaii 2004 5 17 - 2004 5 20

口頭(一般)	11th Workshop on Oxide electronics Electroluminescent from ZnO p-i-n homojunction
	Japan Hakone 2004 10 3 - 2004 10 5

口頭(一般)	The 3rd International Workshop on ZnO and Related Materials A homostructural ZnO p-i-n light emitting diode
	Japan Sendai 2004 10 5 - 2004 10 8

ポスター(一般)	The 3rd International Workshop on ZnO and Related Materials High electron mobility in ZnO thin films
	Japan Sendai 2004 10 5 - 2004 10 8

藤井 健志 大学院学生

ポスター(一般)	11th Workshop on Oxide electronics Pulsed-voltage induced resistance switching at SrRuO ₃ /Nb-doped SrTiO ₃ interface	Japan	Hakone	2004 10 3 - 2004 10 5
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鈴木 崇雄 大学院学生

口頭(一般)	The 3rd International Workshop on ZnO and Related Materials Single-crystalline ZnO field effect transistors: A high-mobility channel fabricated in lattice-matched ZnO/ScAlMgO ₄ heterointerface	Japan	Sendai	2004 10 5 - 2004 10 8
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非平衡物質工学研究部門

井上 明久 教授

口頭(招待・特別)	Tohoku University -Cambridge University Forum Developments of New Metallic Materials by Using the Stabilization of Supercooled Liquid	UK	Cambridge	2004 6 10 - 2004 6 13
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口頭(一般)	The 7th International Conference on Nanostructured Materials (NANO2004) Soft Magnetic Properties of Fe-M-B (M=Transition and Rare Earth Metals) Nanostructure Alloys and their Applications	Japan	Sendai	2004 6 22 - 2004 6 24
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口頭(招待・特別)	The third Advanced Science Institute on New Frontiers of Functional Materials Stabilization of Supercooled Metallic Liquid and Bulk Glassy Alloys	Japan	Miyagizao	2004 7 26 - 2004 7 28
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口頭(基調講演)	The Fifth Pacific Rim International Conference on Advanced Materials and Processing (PRICM5) Mechanical and Magnetic Properties of Fe- and Co-Based Bulk Glassy Alloys	China	Beijing	2004 11 5 - 2004 11 7
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口頭(招待・特別)	49th Conference on Magnetism and Magnetic Materials (MMM2004) Nanocrystalline Fe-Pt-B Base Hard Magnets with High Coercive Force Obtained from Amorphous Precursor	USA	Florida	2004 11 8 - 2004 11 11
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口頭(基調講演)	2004 International Symposium on Nano Science and Technology Fabrication and Functional Characteristics of Fe- and Co-Based Bulk Glassy Alloys	Taiwan	Taiwan	2004 11 20 - 2004 11 23
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竹内 章 助教授

口頭(一般)	11th International Symposium on Metastable, Mechanically Alloyed and Nanocrystalline Materials (SMANAM 2004)	
	Development of Metallic Glasses by Semi-Empirical Calculation Method	
Japan	Sendai	2004 8 21 - 2004 8 25

長谷川 正 助教授

口頭(一般)	11th International Symposium on Metastable, Mechanically Alloyed and Nanocrystalline Materials (SMANAM 2004)	
	Electronic structure of compounds related to Zr-Ni-Al glassy alloys	
Japan	Sendai	2004 8 - 2004 8

LOUZGUINE Dmitri 助手

口頭(一般)	The 1st Symposium on Advanced Metallic Materials, Posco Center, Seoul, Korea	
	Nanoscale icosahedral phase formation in Cu-Zr-Ti-NM (NM=noble metals) bulk glassy alloys	
Korea	Seoul	2004 4 7 - 2004 4 8

口頭(一般)	11th International Symposium on Metastable, Mechanically Alloyed and Nanocrystalline Materials (SMANAM 2004)	
	Non-equilibrium arc-melted binary Ti-Fe bulk alloys with ultra-high strength and enhanced ductility	
Japan	Sendai	2004 8 22 - 2004 8 26

加藤 秀実 助手

ポスター(一般)	12th International Conference on Liquid and Amorphous Metals (LAM12)	
	Softening and heating behaviors during the nonlinear viscous flow and their influence on glassy phase of Zr-based bulk metallic glasses	
France	Mets	2004 7 14 - 2004 7 16

口頭(一般)	11th International Symposium on Metastable, Mechanically Alloyed and Nanocrystalline Materials	
	Influence of Pd Content and Hydrostatic Pressure during Casting on Structure and Strength of Zr-Al-Ni-Cu-Pd rods	
Japan	Sendai	2004 8 22 - 2004 8 26

磁性材料学研究部門

高梨 弘毅

教授

口頭(招待・特別)	The 3rd International Workshop on Surface, Interface, and Thin Film Physics Spin dependent single electron tunneling in self-assembled magnetic nanoparticles China Shanghai 2004 5 27 – 2004 5 30
口頭(招待・特別)	Tohoku-Cambridge Forum, Workshop I, Advances in Materials Science Spin dependent single electron tunneling in self-assembled magnetic nanoparticles UK Cambridge 2004 6 11 –
口頭(招待・特別)	ECI "L ₁₀ Ordered Intermetallic and Related Phases for Permanent Magnet and Recording Applications" Nanostructure and high coercivity in sputtered FePt thin films USA Copper Mountain 2004 8 15 – 2004 8 20
口頭(招待・特別)	Joint European Magnetic Symposia Nanostructure and magnetic properties in highly coercive FePt films Germany Dresden 2004 9 5 – 2004 9 10
口頭(招待・特別)	The Magnetics Society of Japan, The First Asia Forum "Ordered Magnetic Alloys" Nanostructure and magnetic properties in highly coercive FePt films Japan Okinawa 2004 9 22 –

三谷 誠司

助教授

口頭(招待・特別)	7th Oxford-Kobe Materials Seminar: Spintronic Materials and Technology Spin dependent single electron tunneling and spin accumulation in self-assembled nanoparticles Japan Kobe 2004 9 1 – 2004 9 4
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小尾 淑久

助手

ポスター(一般)	The International Conference on Strongly Correlated Electron Systems Dense Kondo behavior in the electric resistivity and the specific heat of amorphous CexMn100-x alloy Germany Karlsruhe 2004 7 26 – 2004 7 30
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嶋 敏之

助手

口頭(一般)	ECI "L1 ₀ Ordered Intermetallic and Related Phases for Permanent Magnet and Recording Applications"		
	Nucleation-type magnetization behavior in epitaxially grown FePt island-like films		
	USA	Copper Mountain	2004 8 15 - 2004 8 20
口頭(一般)	18th International Workshop on High Performance Magnets and their Applications		
	Achievement of high coercivity for FePt particulate films magnetized at low applied field		
	France	Annecy	2004 8 30 - 2004 9 2
口頭(一般)	49th Annual Conference on Magnetism and Magnetic Materials		
	Nucleation-type magnetization behavior in epitaxially grown FePt island-like films		
	USA	Jacksonville	2004 11 7 - 2004 11 11

薬師寺 啓

助手

口頭(一般)	5th International Symposium on Metallic Multilayers		
	Spin accumulation effect on spin-dependent single-electron tunneling in ferromagnetic nanoparticles		
	USA	Boulder	2004 6 7 - 2004 6 11

Ernult Franck

研究員

ポスター(一般)	Gordon conference on magnetic nanostructures		
	Spin-dependent single-electron tunneling in epitaxial nanoparticles		
	USA	Big Sky	2004 8 22 - 2004 8 27
口頭(一般)	5th Pacific Rim International Conference on Advanced Materials and Processing		
	Spin-dependent single-electron tunneling in epitaxial nanoparticles		
	China	Beijin	2004 11 2 - 2004 11 5
口頭(一般)	49th Annual Conference on Magnetism and Magnetic Materials		
	Self-organization of Fe particles on a MgO tunnel barrier		
	USA	Jacksonville	2004 11 7 - 2004 11 11

関 剛斉

大学院学生

口頭(招待・特別)	Magnetic-Optical Recording International Symposium 2004		
	Magnetic properties of FePt (001) films with a variety of buffer layers grown at reduced temperature		
	Japan	Yokohama	2004 5 16 - 2004 5 19
ポスター(一般)	49th Annual Conference on Magnetism and Magnetic Materials		
	Magnetic properties for dot arrays of epitaxially grown FePt ordered alloy		
	USA	Jacksonville	2004 11 7 - 2004 11 11

結晶材料化学研究部門

宇田 聡

教授

口頭(招待・特別)	International Conference on Crystal Growth XIV		
	Growth technology of piezoelectric langasite single crystal		
	France	Grenoble	2004 8 9 - 2004 8 13
口頭(一般)	International Conference on Crystal Growth XIV		
	The effect of an external electric field on the growth of incongruent-melting material		
	France	Grenoble	2004 8 9 - 2004 8 13

黄 新明

助教授

口頭(招待・特別)	The 14th inter. conf. Cryst. Growth		
	Heavily Doped Silicon Crystals: Neck-less Growth and Robust Wafers		
	France	Grenoble	2004 8 9 - 2004 8 13
ポスター(一般)	The 14th inter. conf. Cryst. Growth		
	Robust Si wafer		
	France	Grenoble	2004 8 9 - 2004 8 13

黄 晋二

助手

口頭(一般)	International Conference on Crystal Growth XIV		
	Growth of Functional Structures on SiGe-on-Insulator Substrate with high Ge Content		
	France	Grenoble	2004 8 9 - 2004 8 13
ポスター(一般)	1st IEEE International Conference on Group IV Photonics		
	Fabrication of p-i-n Si _{0.5} Ge _{0.5} photodetectors on SiGe-on-Insulator Substrates		
	Hong Kong	Hong Kong	2004 9 29 - 2004 10 1

ポスター(一般)	Third International Workshop on New Group IV Semiconductors Fabrication of p-i-n SiGe photodetectors on SiGe-on-Insulator Substrates
	Japan Sendai 2004 10 12 - 2004 10 13

恒川 信 助手

ポスター(一般)	Rare Earths '04 Nano-Science of Cerium Oxides from the Experiments and First-Principles Calculations
	Japan Nara 2004 11 7 - 2004 11 12

特殊耐熱材料学研究部門

折茂 慎一 助教授

口頭(招待・特別)	International Union of Pure and Applied Physics, Workshop on Energy Hydrogen Storage for Energy Applications
	Japan Ueno 2004 5 13 -
口頭(一般)	15th World Hydrogen Energy Conference (WHEC) Materials Designing of Li-based Complex Hydrides for Hydrogen Storage
	Japan Yokohama 2004 6 27 - 2004 7 2
口頭(一般)	2004 International Energy Agency, Task 17-Semiannual Workshop, Solid and Liquid State Hydrogen Storage Materials Development of nanostructured Li-based complex hydrides
	Norway Oeystese 2004 7 6 - 2004 7 9
ポスター(一般)	The International Symposium on Metal Hydrogen Systems, Fundamentals and Applications-MH2004 Dehydriding and rehydriding reactions of LiBH ₄
	Poland Cracow 2004 9 5 - 2004 9 10
口頭(招待・特別)	ASM-International Conference, Materials Challenges for Hydrogen Storage Advanced hydrogen storage properties of Li-based complex hydrides
	USA Columbus 2004 10 18 - 2004 10 21
口頭(招待・特別)	The Fifth Pacific Rim International Conference on Advanced Materials and Processing Lithium-based Complex Hydrides for Solid-State Hydrogen Storage
	China Beijing 2004 11 2 - 2004 11 5

中森 裕子

助手

口頭(一般)	The International Symposium on Metal Hydrogen Systems, Fundamentals and Applications-MH2004 Hydrogen storage properties of Li-Mg-N systems Poland Cracow 2004 9 5 - 2004 9 10
ポスター(一般)	The International Symposium on Metal Hydrogen Systems, Fundamentals and Applications-MH2004 First principles study on lithium borohydride LiBH ₄ Poland Cracow 2004 9 5 - 2004 9 10
口頭(基調講演)	ASM Materials Solutions Conference, 13th International Symposium on Processing and Fabrication of Advanced Materials Recent advances in the processing of complex hydrides Singapore Singapore 2004 12 6 - 2004 12 8
口頭(一般)	2005 International Energy Agency, Task 17-Semiannual Workshop, Solid and Liquid State Hydrogen Storage Materials Development of nanostructured Li-based complex hydrides USA Hiltonhead 2005 2 13 - 2005 2 17

池田 一貴

大学院学生

ポスター(一般)	11th International Symposium on Metastable, Mechanically Alloyed and Nanocrystalline Materials Structural and hydriding properties of the Mg-Ni-H system with nano-and/or amorphous structures Japan Sendai 2004 8 22 - 2004 8 26
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複合機能材料学研究部門

後藤 孝

教授

口頭(基調講演)	The 2nd International Conference on Technological Advances of Thin Films & Surface Coatings (Thin Films 2004) Thermal barrier coatings deposited by laser CVD Singapore Singapore 2004 7 13 - 2004 7 17
口頭(招待・特別)	International Symposium in Honor of Professor Katsutoshi Komeya ; Synthesis, Processing and Applications of Advanced Ceramics High-speed oxide coatings by laser CVD for engineering applications Japan Kobuchizawa 2004 9 5 - 2004 9 7
口頭(招待・特別)	Fifth International Conference on High Temperature Ceramic Matrix Composites (HTCMC-5) Preparation of YSZ coatings by laser CVD at extremely high deposition rate USA Seattle 2004 9 12 - 2004 9 16

口頭(招待・特別)	EnCera 04 (The 3rd International Symposium on the Science of Engineering Ceramics) Laser chemical vapor deposition for thick oxide coatings Japan Osaka 2004 10 31 - 2004 11 3
口頭(招待・特別)	The 5th Pacific Rim International Conference on Advanced Materials and Processing (PRICM-5) Laser CVD process for high speed deposition of YSZ films China Beijing 2004 11 2 - 2004 11 5
口頭(招待・特別)	Second Japan-Australia Workshop on Advanced Materials Application of laser CVD for thermal barrier coatings Australia Sydney 2004 12 5 - 2004 12 7
口頭(招待・特別)	International Symposium for Interface Oral Health Science Surface coating technology for biomaterials: Morphology and nano-structure control Japan Sendai 2005 2 2 - 2005 2 3
塗 溶	助手
口頭(一般)	The 5th Pacific Rim International Conference on Advanced Materials and Processing (PRICM-5) Preparation of rutile and anatase TiO ₂ films by MOCVD China Beijing 2004 11 2 - 2004 11 5
木村 禎一	助手
口頭(一般)	The 2nd International Conference on Technological Advances of Thin Films & Surface Coatings (Thin Films 2004) Ir-YSZ Nano-composite Electrodes for Oxygen Sensors Singapore Singapore 2004 7 13 - 2004 7 17
口頭(一般)	The 2nd International Conference on Technological Advances of Thin Films & Surface Coatings (Thin Films 2004) Thermal Conductivities of Yttria-stabilized Zirconia Films Measured by a Laser-heating Singapore Singapore 2004 7 13 - 2004 7 17
口頭(一般)	11th International Symposium on Metastable, Mechanically Alloyed and Nanocrystalline Materials Preparation of noble metal (Ru, Ir)-carbon nano-composites by MOCVD as catalytic electrode for oxygen sensors Japan Sendai 2004 8 22 - 2004 8 26
デフタ (一般)	2nd International Workshop for Advanced Ceramics Nano-structures of YSZ films prepared by laser chemical vapor deposition Japan Nagahama 2004 11 5 - 2004 11 6

口頭(一般)	The 43rd Symposium on Basic Science of Ceramics, World Young Ceramist Meeting			
	Preparation of Y_2O_3 films by laser chemical vapor deposition			
	Japan	Chiba	2005 1 20	2005 1 21

李 文軍 研究機関研究員

口頭(一般)	The 43rd Symposium on Basic Science of Ceramics, World Young Ceramist Meeting			
	Preparation of TiC-TiB ₂ -SiC system composites by melt-solidification process			
	Japan	Chiba	2005 1 20	2005 1 21

伊藤 暁彦 大学院学生

口頭(一般)	The 5th Pacific Rim International Conference on Advanced Materials and Processing(PRICM-5)			
	Electrical conductivity of SrRuO ₃ thin films prepared by laser ablation			
	China	Beijing	2004 11 2	2004 11 5

加工プロセス工学研究部門

花田 修治 教授

口頭(一般)	ASM Material & Processes for Medical Devices Conference			
	Development of Beta Titanium Alloys with Low Young's Modulus			
	USA	St.Paul	2004 8 25	2004 8 27

口頭(一般)	SMST-Europe2004			
	Elastic deformation behavior of Ti-Nb-Sn thin wires and sheets			
	Germany	Baden-Baden	2004 10 3	2004 10 7

口頭(一般)	PM2004			
	Mechanical properties of porous titanium compacts synthesized by powder sintering			
	Austria	Vienna	2004 11 17	2004 11 21

ポスター(一般)	AUSTCERAM2004			
	Fabrication of pure Al/Mg-Li alloy clad plate and its mechanical properties			
	Australia	Melbiurune	2004 11 29	2004 12 1

正橋 直哉

助教授

口頭(招待・特別)	International Conference on New Frontiers of Process Science and Engineering in Advanced Materials		
	Fabrications and Corrosion resistance of Iron-Aluminum Alloy/High Carbon Steel Composites prepared by Clad Rolling		
	Japan	Kyoto	2004 11 24 - 2004 11 26
口頭(招待・特別)	The 13th International Symposium on Processing and Fabrication of Advanced Material on ASM Materials Solution Conference		
	Fracture Behavior and Microstructural Changes of Niobium by Hydrogenation		
	Singapore	Singapore	2004 11 29 - 2004 12 3

放射線金属化学研究部門

塩川 佳伸

教授

口頭(一般)	34iems Journees des Actinides		
	Uranium Redox Flow Battery		
	Germany	Heidelberg	2004 4 17 - 2004 4 20
口頭(一般)	Fourth International Conference Kammel's Quo Vadis Hydrometallurgy 2004		
	Preparation of Electropositive metals by Hydrometallurgy		
	Slovakia	Herlany	2004 5 25 - 2004 5 28
口頭(招待・特別)	International Conference Rare Earths '04 in Nara		
	Uranium Redox Flow Battery		
	Japan	Nara	2004 11 7 - 2004 11 12

山村 朝雄

助手

口頭(一般)	The first COE-INS international symposium, INES-1 "Innovative nuclear energy systems for sustainable development of the world"		
	An extreme disposition method for radioactive organic wastes in nuclear power plants using supercritical water with RuO ₂ catalyst		
	Japan	Tokyo	2004 10 31 - 2004 11 4
ポスター(一般)	International Conference Rare Earths '04 in Nara		
	Crystal Structure and Magnetic State of U ₂ TSi ₃ (T=Fe,Pt,Ir)		
	Japan	Nara	2004 11 7 - 2004 11 12

青木 大

助手

口頭(招待・特別)	Emerging Issues in Heavy Fermion Materials Physics Fermi surfaces in Np-115 compounds (T=Ni,Co)
	Netherlands Leiden 2004 7 20 - 2004 7 24

ポスター(一般)	International Conference on Strongly Correlated Electron Systems (SCES2004) First observation of the dHvA effect in NpTGa5 (T=Ni,Co)
	Germany Karlsruhe 2004 7 26 - 2004 7 30

本間 佳哉

助手

ポスター(一般)	International Conference on Strongly Correlated Electron Systems (SCES2004) Magnetic anisotropy in the $U_{2-x}Lu_xFe_{15}Ge_2$ solid solution
	Germany Karlsruhe 2004 7 26 - 2004 7 30

李 徳新

助手

ポスター(一般)	International Conference on Strongly Correlated Electron Systems (SCES2004) Specific Heat and AC Susceptibility of UAuAl
	Germany Karlsruhe 2004 7 26 - 2004 7 30

ポスター(一般)	International Conference on Rare Earths'04 in Nara, Japan Magnetic Ordering in Ternary Germanide Nd_2CuGe_6
	Japan Nara 2004 11 7 - 2004 11 12

A.V.Andreeev

客員教授

口頭(招待・特別)	Workshop on the New Phenomena in the Exotic Electron Systems Magnetism and magnetoelasticity of uranium intermetallics
	Japan Fukuoka 2004 11 5 - 2004 11 5

ポスター	International Conference Rare Earths '04 in Nara Influence of Isoelectronic Substitutions on Magnetism of UCoAl
	Japan Nara 2004 11 7 - 2004 11 12

ポスター	International Conference Rare Earths '04 in Nara Magnetostriction Study of $U_{0.8}Lu_{0.2}Fe_2$ Single Crystal
	Japan Nara 2004 11 7 - 2004 11 12

白崎 謙次

大学院学生

ポスター(一般)	International Conference Rare Earths '04 in Nara		
	Preparation of Active Material Electrolytes of Uranium Redox Flow Battery at Discharged and Charged States		
	Japan	Nara	2004 11 7 - 2004 11 12

分析科学研究部

我妻 和明

教授

口頭(一般)	ASIANALYSIS VII		
	Sampling modulation technique in radio-frequency powered glow discharge emission source by pulsed laser ablation		
	Hong Kong	Hong Kong	2004 7 27 - 2004 7 31
口頭(一般)	The 31st Annual Conference of the Federation of Analytical Chemistry and Spectroscopy Societies		
	Study on applications of dc voltage modulation technique in GD-OES for a thin film analysis		
	USA	Portland	2004 10 6 - 2004 10 10
口頭(招待・特別)	The 12th Symposium on Laser Spectroscopy		
	Laser-ablation sampling technique in helium radio-frequency glow discharge optical emission spectrometry		
	Korea	Daejeon	2004 11 4 - 2004 11 5
口頭(招待・特別)	The 10th International Symposium on Advanced Analytical Techniques and Applications		
	Emission characteristics of helium radio-frequency glow discharge plasma associated with Nd:YAG laser irradiation		
	Korea	Daejeon	2004 11 6 - 2004 11 8
口頭(一般)	European Winter Conference on Plasma Spectrochemistry:		
	Development of helium radio-frequency glow discharge plasma source associated with laser ablation sampling		
	Hungary	Budapest	2005 1 30 - 2005 2 3

高田 九二雄

講師

口頭(一般)	11-th International Conference on Ultra-High Purity Base Metals, UHPM-2004		
	Effect of removal of major component of determination of ultra-trace elements in high-purity iron and iron-based alloy		
	USA	Gaithersburg	2004 12 6 - 2004 12 9

口頭(一般)	11-th International Conference on Ultra-High Purity Base Metals, UHPM-2004 Trace analysis of ultra-high purity iron ---- Results of RRT on Fe-C, Fe-S and Fe-O alloys USA Gaithersburg 2004 12 6 - 2004 12 9
口頭(一般)	11-th International Conference on Ultra-High Purity Base Metals, UHPM-2004 Determination of ultra-trace amount of sulfur in ultrahigh-purity iron by high-resolution ICP-MS with sulfide solution USA Gaithersburg 2004 12 6 - 2004 12 9
高木 清一	助手
口頭(一般)	11-th International Conference on Ultra High Purity Metallic Base Metals,UHPM-2004 Ultra-Purification of Base Metals by Cold-Crucible Induction Melting USA Gaithersburg 2004 12 6 - 2004 12 9
松田 秀幸	助手
口頭(一般)	Asian International Symposium on Instrumental Analysis of Various Materials Emission Intensity Modulation of radio frequency helium glow-discharge emission sources by laser ablation Japan Sendai 2004 7 23 - 2004 7 25
朴 賢國	助手
ポスター(一般)	32nd The Federation of Analytical Chemistry and Spectroscopy Societies Study on applications of dc voltage modulation technique for a thin film analysis USA Portland 2004 10 3 - 2004 10 10
ポスター(一般)	The 10th International Symposium on Advanced Analytical Techniques and Applications Study on a dc voltage modulation technique in glow discharge optical emission spectrometry(GD-OES) for a thin film analysis Korea Daejeon 2004 11 5 - 2004 11 8

芦野 哲也

助手

口頭(一般)	Asian International Symposium on Instrumental Analysis of Various Materials, AISIA Determination of Ultra Trace Selenium, Tellurium, Gold and Silver in Several Metal Samples by Electrothermal Atomic Absorption Spectrometry after Reductive Co-precipitation with Palladium Japan Sendai 2004 7 23 - 2004 7 25
口頭(一般)	International Conference on Ultra High Purity Metallic Base Metals, UHPM-2004 Effect of removal of major component on determination of ultra-trace elements in high-purity iron and iron-based alloy USA Gaithersburg 2004 12 6 - 2004 12 9

ナノ金属高温材料学寄付研究部門

安彦 兼次

客員教授

口頭(一般)	11-th International Conference on Ultra High Purity Metallic Base Metals,UHPM-2004 Nano-Metallurgy to discover Amazing Metals USA Gaithersburg 2004 12 6 - 2004 12 9
口頭(一般)	11-th International Conference on Ultra High Purity Metallic Base Metals,UHPM-2004 A newly Designed Fe-20Cr-3Mo-2W Alloy based on Nano-Metallurgy USA Gaithersburg 2004 12 6 - 2004 12 9

鉄井 利光

客員助教授

口頭(一般)	11-th International Conference on Ultra High Purity Metallic Base Metals,UHPM-2004 Mechanical Properties of High Purity 20Cr-3Mo-2W-Fe Alloy USA Gaithersburg 2004 12 6 - 2004 12 9
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新田 広行

寄付部門教員

口頭(一般)	11-th International Conference on Ultra High Purity Metallic Base Metals,UHPM-2004 Effects of purity, grain size and tungsten on mechanical properties of Fe-35mass%Cr alloys. USA Gaithersburg 2004 12 6 - 2004 12 9
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